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One Oxford Center, 20th Floor
Pittsburgh, PA 15219

6-23-2003
Date: B. J. Ingersoll
B. J. Ingersoll

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	:	PATENT APPLICATION
	:	
Earl C. Johns et al.	:	RECORDING POLE FOR DELIVERING
	:	COINCIDENT HEAT AND MAGNETIC
	:	FIELD
Serial No: Unassigned	:	
	:	Group Art Unit: Unassigned
Filed: Herewith	:	Examiner: Unassigned

INFORMATION DISCLOSURE STATEMENT

Pittsburgh, Pennsylvania 15219
June 23, 2003

Mail Stop DD
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:


Applicants submit herewith information of which they are aware which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56. While this Information Disclosure Statement may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any

patent, publication, or other information referred to herein is "prior art" for the above-identified invention unless specifically designated as such. In accordance with 37 C.F.R. §§ 1.97(g)-(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists, as defined in 37 C.F.R. § 1.56(a).

Submitted herewith is a copy of each reference, together with a Form PTO-1449 listing the art provided herewith.

This Information Disclosure Statement is being filed within three (3) months from the filing date of the above-identified application and, accordingly, it is believed that no fee is required. *See* 37 C.F.R. § 1.97(b)(1). However, if a fee is required for any reason, please charge Deposit Account No. 02-4553 the necessary amount.

Respectfully submitted,


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Dated: 6-23-2003

Attorney for Applicants

Please type a plus sign (+) inside this box ☐

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	Unassigned
				Filing Date	Herewith
				First Named Inventor	Johns et al.
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	1	of	2	Attorney Docket Number	020818

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		6,349,076		Chen	02/19/2002	
		6,404,706		Stovall et al.	06/11/2002	
		6,407,892		Shiroishi	06/18/2002	
		6,016,290		Chen et al.	01/18/2000	
		5,986,978		Rottmayer et al.	11/16/1999	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document by the two-letter code (WPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	Unassigned
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				First Named Inventor	Johns et al.
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	2	of	2	Attorney Docket Number	020818

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
		XIAOLEI SHI, ROBERT L. THORNTON, LAMBERTUS HESSELINK, "A Nano-aperture with 1000x Power Throughput Enhancement for Very Small Aperture Laser System (VSAL), 2002, Proceedings of SPIE, Vol. 4342, pages 320-327		
Examiner Signature			Date Considered	

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